

# *California Water Plan Update 2009*

## Climate Change Technical Advisory Group

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Sacramento, California

Incorporating Climate Change into  
Update 2009

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## Climate Change Technical Advisory Group

(as of April 26, 2007)

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# How Will Climate Change be Incorporated into CWP Update 2009?

- **Updating Climate Change Science from Update 2005**
- **Incorporating Climate Change into Scenarios**
- **Developing Adaptation Strategies**
  - **based on the scenarios**
  - **at the regional level?**
- **Assessing the Energy Implications of Resource Management Strategies (working with CEC)**
- **Developing Water-related GHG Mitigation Measures (through the “WETCAT” and CARB AB 32 process)**

# Resource Management Strategies

## ■ Reduce Water Demand

- Agricultural Water Use Efficiency
- Urban Water Use Efficiency

## ■ Improve Operational Efficiency & Transfers

- Conveyance
- System Re-operation
- Water Transfer

## ■ Increase Water Supply

- Conjunctive Management & Groundwater Storage
- Desalination – Brackish & Seawater
- Precipitation Enhancement
- Recycled Municipal Water
- Surface Storage – CALFED
- Surface Storage -Regional/Local

## ■ Improve Water Quality

- Drinking Water Treatment & Distribution
- Groundwater/Aquifer Remediation
- Matching Quality to Use
- Pollution Prevention
- Urban Runoff Management

## ■ Practice Resource Stewardship

- Agricultural Lands Stewardship
- Economic Incentives (Loans, Grants, and Water Pricing)
- Ecosystem Restoration
- Floodplain Management
- Recharge Areas Protection
- Urban Land Use Management
- Water-Dependent Recreation
- Watershed Management

# Reference Materials

(the *very* short list)

- *Bulletin 160-05*
- *CAT Biennial Report, 2006*
  - *Progress on Incorporating Climate Change into Management of California's Water Resources, 2006*
- *CAT Biennial Report, 2008*
  - (under development)
- Other Reference Resources?

# Planning for an Uncertain Future

- Climate Change Science, Impacts, and Uncertainties Discussed in Chapters 5, 6, and 7
- Possibility of Developing a Separate Chapter to Address Climate Change?
- Resource Management Strategies
- Regional Reports?